

SEQUENCE LISTING

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Leu Leu Ser Gly Ala Gln Leu Glu Ala Ser Arg Asn Ile Val Gln Asn	
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Val Phe Val Ser Glu Arg Glu Leu Asp Trp Ala Lys Val Met Val Glu
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Lys Ser Arg Met Gly Val Val Pro Pro Gly Thr Gln Val Glu Gln Leu
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Leu Tyr Ala Lys Lys Leu Tyr Asp Ser Ala Phe His Pro Asp Thr Gly
70 75 80

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Glu Lys Met Asn Val Ile Gly Arg Met Ser Phe Gln Leu Pro Gly Gly
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atg atc atc acg ggc ttc atg ctc cag ttc taa agg acg atg ccg gcg 391
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Tyr Thr Asn Arg Asn Ala Ala Ser Pro Thr Ser Val Arg Gln Met Ala
135 140 145

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Pro Val Ile Met Glu Arg Leu Glu Lys Leu His Phe Met Gln Lys Val
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Lys Val Leu His Ala Pro Leu Gln Val Met Leu Ser Gly Cys Phe Leu
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Asp Thr Gly Glu Lys Met Asn Val Ile Gly Arg Met Ser Phe Gln Leu 95
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Pro Gly Gly Met Ile Ile Thr Gly Phe Met Leu Gln Phe Tyr Arg Thr 110
100 105 110
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115 120 125
Leu Val Asn Tyr Thr Asn Arg Asn Ala Ala Ser Pro Thr Ser Val Arg 140
130 135 140
Gln Met Ala Leu Ser Tyr Phe Thr Ala Thr Thr Ala Val Ala Thr 160
145 150 155 160
Ala Val Gly Met Asn Met Leu Thr Lys Lys Ala Pro Pro Leu Val Gly 175
165 170 175
Arg Trp Val Pro Phe Ala Ala Val Ala Ala Ala Asn Cys Val Asn Ile 190
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Pro Met Met Arg Gln Arg Glu Leu Ile Lys Gly Ile Cys Val Lys Asp 205
195 200 205
Arg Asn Glu Asn Glu Ile Gly His Ser Arg Arg Ala Ala Ile Gly 220
210 215 220
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225 230 235 240
Ile Leu Leu Pro Val Ile Met Glu Arg Leu Glu Lys Leu His Phe Met 255
245 250 255

Gln Lys Val Lys Val Leu His Ala Pro Leu Gln Val Met Leu Ser Gly
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Cys Phe Leu Ile Phe Met Val Pro Val Ala Cys Gly Leu Phe Pro Gln
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Trp Asp Gln Ser Thr Phe Ile Gly Arg Ala Asn His Phe Phe Thr Val
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Thr Asp Pro Arg Asn Ile Leu Leu Thr Asn Glu Gln Leu Glu Ser Ala
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Arg Lys Ile Val His Asp Tyr Arg Gln Gly Ile Val Pro Pro Gly Leu
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His Pro Asp Thr Gly Glu Lys Met Ile Leu Ile Gly Arg Met Ser Ala
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Cin Val Pro Met Asn Met Thr Ile Thr Gly Cys Met Met Thr Phe Tyr
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 Pro Asp Thr Gly Glu Lys Met Ile Leu Ile Gly Arg Met Ser Ala Gln
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 Val Pro Met Asn Met Thr Ile Thr Gly Cys Met Met Thr Phe Tyr Arg
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 Asn Glu Leu Gly Thr Ala Tyr Val Ser Ala Thr Thr Gly Ala Val Ala
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 Gly Arg Phe Val Pro Phe Ala Ala Val Ala Ala Asn Cys Ile Asn
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 Ala Ile Thr Gln Val Val Val Ser Arg Ile Leu Met Ala Ala Pro Gly
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 260 265 270
 Gly Phe Cys Leu Val Phe Ala Thr Pro Leu Cys Cys Ala Leu Phe Pro
 275 280 285
 Gln Lys Ser Ser Met Ser Val Thr Ser Leu Glu Ala Glu Leu Gln Ala
 290 295 300
 Lys Ile Gln Glu Ser His Pro Glu Leu Arg Arg Val Tyr Phe Asn Lys
 305 310 315 320
 Gly Leu